

# The EWA as Envisioned in the ROD

EWA Workshop Presentation

September 8, 2004

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# How Does the EWA Work?

- Property rights to water and infrastructure – a water agency whose customers are fish.
- Allow changes in Project operations without impact on deliveries.

# Management of the EWA

- DWR and USBR acquire and manage the water
- Fish agencies -- DFG, FWS, NOAA Fisheries -- determine how the water to be used
- EWA must have adequate collateral for proposed actions

# Examples

- Exports are taking ESA fish at too high a rate.
- Need cooler water for salmon on the American River.
- Exports could go above the standards without problems.

# Evolution of the EWA Concept

- Three Way Process – 1991
- Bay-Delta Accord – 1994
- CALFED -- 1999

# Why was the EWA Attractive?

- Resolved an impasse
  - Exporter Reliability vs.
  - Adequate ESA Protection and Recovery
- Water users, “Puts fish agencies on a budget – forces choices, encouraging efficiency”
- Fish agencies, “provides unprecedented operational flexibility and assets”
- Public funding

# How was the EWA Developed?

- Multiple “gaming” exercises
- Various combinations of protection/enhancement vs. assets/costs.
- Final EWA in the CALFED ROD came right out of final game.

# EWA in the ROD

- Four-year experiment
- No cost to exporters
- Tier 1: Existing regulations & b2
- Tier 2: EWA & ERP
- Tier 3: ESA Backstop
- ESA commitments



# Tier 1 = Baseline for EWA

- 1993 Winter Run BO
- 1995 WQCP
- 1995 Delta smelt BO
- B2 water per 1999 court decision.
- What happens when baseline shifts?

# Tier 2 = New Protection

- ERP at \$150 million/year
- EWA as defined in ROD (or functional equivalent)
  - No financial budget defined, however.

	2000 CALFED ROD	Actual First 3 Years
<b>Fixed Assets (SOD Equivalents)</b>	<b>185 TAF 150/35 TAF SOD/NOD</b>	<b>245 TAF (201-319)</b>
<b>Variable Assets</b>	<ul style="list-style-type: none"> <li>- 50% State Gain/EWP Water</li> <li>- E/I Relaxation</li> <li>-50% Excess Capacity at Banks</li> <li>-Storage @ Project Reservoirs</li> <li>- Source Shift (100 TAF)</li> <li>-500 CFS at Banks July – Sept.</li> </ul>	Same as ROD Same as ROD Same as ROD  Same as ROD
<b>Storage &amp; Exchange</b>	<b>200 TAF SOD Storage Starts Full</b>	<b>Additional Purchases</b>
<b>Anticipated Fish Actions</b>	<b>380 TAF</b>	<b>306 TAF (280-348)</b>

# Tier 3 = Backstop

- Additional source of water if needed
- Several \$million is reserved, but
- Source of water remains undefined
- Requires input from Science Panel
- Never used to date

# ESA Commitments

- Strong, but limited commitment not to use take limits for ESA protection.
- In practice, take limits not used since institution of EWA.